



**Netshield (Pty) Ltd.**  
Tijger Valley Office Park, Concept House,  
10 Pony Street, Silver Lakes, Pretoria.

P.O. Box 1223, Wapadrand 0050

Telephone: +27(0)86 111-4428  
+27(0)12 841-0320  
Facsimile: +27 (0) 86 692-9643

# PRODUCT BRIEF

**108873258-C**

## Avaya Compatible 1000Base-LX SFP Transceiver



### Features:

- Operating data rate up to 1.25 Gbps
- Hot-pluggable SFP footprint
- 1550 nm DFB laser transmitter
- Transmission distance up to 80 km over 9/125 micron single mode fibre
- Duplex LC connector
- Low power dissipation
- Digital diagnostic monitoring interface is compliant with SFF-8472
- Compliant with SFP MSA Specification
- RoHS compliance

### Product Description:

This high performance Avaya compatible small form factor hot pluggable fiber optic transceiver is designed for single-mode fiber (SMF) and operates at a nominal wavelength of 1550 nm. It provides standard AC coupled CML for high speed signals and LVTTTL control and monitoring of signals. This optical transceiver consists of two sections: the transmitter uses a 1550 nm DFB laser, the receiver section uses an Integrated InGaAs Detector Preamplifier (IDP) mounted in an optical header and a limiting post-amplifier IC. In addition, the transceiver is compliant with SFP Multi-Source Agreement (MSA) Specification and SFF-8472

## Applications :

- Gigabit Ethernet (1000Base-LX) Links at 1.25 Gbps
- Fibre Channel Switch
- Metro/Access Networks
- Other Optical Link

## Product specifications:

|                       |   |
|-----------------------|---|
| Maximum Data Rate     | 1.25 Gbps   |
| Wavelength            | 1550 nm   |
| Fibre Type            | SMF   |
| Connector Type        | LC  |
| Distance              | 80km  |
| Power Supply          | 3.3 V   |
| Operating Temperature | 0 °C to 70 °C (Commercial), -40 °C to 85 °C (Industry), -5 °C to 85 °C (Extended) |
| Cabling Type          | Ethernet 1000Base-ZX  |
| Status Indicators     | Link activity, link OK  |
| Provided Interfaces   | 1 x network – Ethernet 1000Base-ZX - LC single-mode x 2                           |
| Compatible Slots      | 1 x SFP (mini-GBIC)   |
| Dimensions            | 5.80 x 1.30 x 1.30 cm   |
| Weight                | 0.0168 kg   |